

Docket No.: 1658.1001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Ji-Tae KIM, et al.

Serial No.

Group Art Unit:

Confirmation No.

Filed: February 11, 2002

Examiner:

For: PASSIVE TRANSPONDER IDENTIFICATION AND CREDIT CARD TYPE
TRANSPONDER

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Before examination of the above-identified application, please amend the application as follows:

IN THE ABSTRACT:

After page 42 of the claims, insert the following Abstract on a separate page (page 43):

--ABSTRACT

A passive transponder identification system and credit card type transponder are disclosed, particularly, the transponder identification system to utilize a transmitting manner of two different RF signals is provided. The present invention directly relates to a passive transponder without any kind of power source. Therefore, the present invention has advantages of having a constant gain value by developing a high-gain dual polarizing antenna for a small credit card type passive transponder to identify at long distance, independently to any direction of the transponder; improving gain values than conventional transponder tag antenna by 6-9dB to ensure a sub-permanent life time by providing the desired identification performance by means of a small credit card type passive transponder without power supply; and being applicable to any systems to identify and distinguish high-speed moving objects.--

IN THE CLAIMS:

14. The system according to Claim 11, wherein the receiving system 300 includes said several demodulating means to run the digital data stream output for a constant period and the digital code stream ranged of 64 bits to 16 kilobits dependent on memory circuit attached within the passive transponder 200.

REMARKS

This Preliminary Amendment is submitted to improve the form of the claims as originally-filed.

It is respectfully requested that this Preliminary Amendment be entered in the above-referenced application.

If there are any additional fees associated with filing of this Preliminary Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND the following claims:

14. The system according to Claim 11 [or 13], wherein the receiving system 300 includes said several demodulating means to run the digital data stream output for a constant period and the digital code stream ranged of 64 bits to 16 kilobits dependent on memory circuit attached within the passive transponder 200.